

General Environmental Incident Summary

Incident: 4192 **Date/Time Notice:** 8/4/2016 0142 **DEM Incident No:**
Responsible Party: J.R. Simplot

Date Incident: 8/4/2016 **Time Incident:** 0058 **Duration:** 90 minutes

County: Grand Forks **Twp:** 152 **Rng:** 50 **Sec:** 32 **Qtr:**

Lat: 47.93410 **Long:** -97.08289 **Method:** Interpolation from map

Location Description: 3630 Gateway Drive
Grand Forks, ND 58203

Submitted By: Eric Halstenson **Affiliation:**

Address: 3630 Gateway Drive

City: Grand Forks **State:** ND **Zip:** 58203

Received By:

Contact Person: Eric Halstenson
3630 Gateway Drive
Grand Forks, ND 58203

Distance Nearest Occupied Building: 500 Feet **Release Contained:** Yes

Type of Incident: Anhydrous Ammonia

Description of Released Contaminant: Anhydrous Ammonia, CAS 7664-41-7

Volume Spilled: 455.00 pounds **Ag Related:** No

EPA Extremely Hazardous Substance: Yes **Reported to NRC:** Yes

Cause of Incident:

The release was believed to have been caused by a ruptured seal in an oil pot oil heater due to excess pressure of a back pressure regulator valve (BPR) that was closed, but the controller was reading 10% open.

Risk Evaluation:

There are no known or anticipated, acute or chronic health risks associated with this release.

of Fatalities: 0 **# of Injuries:** 0 **Affected Medium:** 01 - air

Potential Environmental Impacts:

There are no expected environmental impacts.

Action Taken or Planned:

The Liquid supply line was isolated off one vessel. Pressure regulator was bypassed to alleviate the pressure on the vessel until all the liquid could be boiled off. Once all the liquid ammonia was removed the remaining gas was evacuated through the low side of the system. The release did not require an emergency response. The back pressure regulator needs to calibrate and to close no more than 4%. This will keep ammonia from being trapped in the vessel and building pressure when liquid valve is turned off. Options for changing the system are being evaluated at this time.

Wastes Disposal Location: N/A

Agencies Involved: NDDES, Local Fire Department, Local Law Enforcement, Local Emergency Manager, NRC

Updates

Date: 8/10/2016 **Status:** Reviewed - Assigned to NDDoH Division **Author:** Division of AQ

Updated Volume:

Notes:

Report forwarded to the NDDoH Division of Air Quality.